

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for controlling operating of a compression ignition vehicle engine with an electronic control module and a throttle control by limiting response to throttle actuation determined to be undesirable, comprising:

sensing when said engine is in overspeed operation;

responding to said sensing said engine overspeed operation by inhibiting response to throttle control actuation; and

enabling engine compression braking of said vehicle when said overspeed operation is maintained beyond said responding.

2. (original) The invention as described in claim 1 wherein said enabling comprises commanding a reduced engine speed.

3. (original) The invention as described in claim 2 wherein said commanding is a fuel adjustment command.

4. (original) The invention as described in claim 1 wherein said commanding comprises commanding a powertrain response.

5. (original) The invention as described in claim 1 wherein said responding comprises automatically switching a digital input to said electronic control module.

6. (currently amended) An engine control for a vehicle with a compression-ignition internal combustion engine that switches engine operation out of a speed range defined between first and second thresholds, the control comprising:

a sensor detecting when said engine operation passes an overspeed threshold during actuation of the throttle;

a controller input responsive to said detecting for processing a predetermined response of inhibiting response to throttle actuation; and

a controller command enabling engine compression braking when said overspeed condition is maintained after said detecting.

7. (original) The invention as described in claim 6 wherein said control comprises a discrete component circuit generating said input to an electronic control module.

8. (original) The invention as described in claim 6 wherein said control comprises a software program in an electronic control module.

9. (currently amended) A computer readable storage medium having data stored therein representing instructions executable by a computer to control a compression ignition internal combustion engine installed in a vehicle to perform a speed control feature, the computer readable storage medium comprising:

instructions for detecting when engine overspeed threshold occurs during throttle actuation;

instructions for responding to said detecting by inhibiting response to the actuation; and

instructions for commanding reduced vehicle speed by engine compression braking.

10. (original) The invention as described in claim 9 wherein said storage medium comprises instructions including commands for at least one engine operating parameter.

11. (original) The invention as described in claim 10 wherein said instructions include commands for at least one powertrain parameter.